LAVA DETAIL 20
Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its Amendment Regulation (EC) No. 1272/2008 (CLP) and EU 2020/878

Printing Date 12. 12. 2023 **Version Number 8 (replaces version 7)** **Revision: 12. 12. 2023**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: LAVA DETAIL 20

1.2 Relevant identified uses of the substance or mixture and uses advised against Professional use
Application of the substance / the mixture: Waterproofing Coating

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
OWL WATERPROOFING SOLUTIONS
135 Slaney Road, Dublin Industrial Estate
Glasnevin, Dublin 11
Tel: +353 01 830 2250
Email: info@owlwaterproofing.co.uk
Website: www.owlwaterproofing.co.uk

1.4 Emergency telephone number:

European Emergency Tel.: +353 01 830 2250

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation EC No 1272/2008 CLP:

GHS02 flame 

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS08 health hazard 

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS07 

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS02 **GHS08**

Signal word: Danger

Hazard-determining components of labelling:

Reaction mass of ethylbenzene and m-xylene and p-xylene
m-tolylidene diisocyanate
4,5-dichloro-2-octyl-2H-isothiazol-3-one

Hazard statements:

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards

Results of PBT and vPvB assessment

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:

EC number: 905-562-9 Reg.nr.: 01-2119488216-32-XXXX	Reaction mass of ethylbenzene and m-xylene and pxylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT RE 2; H373: C ≥10 %	≥10-<25%
CAS: 26471-62-5 EINECS: 247-722-4 Index number: 615-006-00-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolylidene diisocyanate Acute Tox. 2, H330; Resp. Sens. 1, H334; Carc. 2, H351; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412, EUH204 Specific concentration limit: Resp. Sens. 1; H334: C≥ 0.1 % substance with a Community workplace exposure limit	≥0.1-<1%
CAS: 64359-81-5 EINECS: 264-843-8 Index number: 613-335-00-8	4,5-dichloro-2-octyl-2H-isothiazol-3-one Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 567 mg/kg Specific concentration limits: Skin Irrit. 2; H315: C ≥0.025 % Eye Irrit. 2; H319: C ≥ 0.025 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.0025-<0.025%

CAS: 1317-65-3 EINECS: 215-279-6	limestone substance with a Community workplace exposure limit	≥30-<35%
CAS: 28553-12-0 EINECS: 249-079-5 Reg.nr.: 01-2119430798-28-XXXX	diisononyl phthalate substance with a Community workplace exposure limit	≥2.5-<5%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119489379-17-XXXX	titanium dioxide substance with a Community workplace exposure limit	≥2.5-<3%

SVHC Statement:
This product does not contain any substances identified as candidates for very high concern (SVHC) at concentrations of 0.1% or more, in accordance with Regulation (EC) No 1907/2006 (REACH), Article 59.

Additional Information:
Titanium dioxide (CAS: 13463-67-7)
Note 10: The inhalation carcinogen classification only applies to mixtures in powder form that contain 1% or more of titanium dioxide particles with an aerodynamic diameter of ≤10 µm.
For the detailed wording of hazard phrases, please refer to Section 16.

SECTION 4: First aid measures

4.1 First Aid Measures
General Information:
Move affected individuals to fresh air immediately. Seek prompt medical assistance.
Inhalation:
Provide fresh air. Always consult a doctor. If the person is unconscious, place them in a stable side position for safe transport.
Skin Contact:
Wash the skin thoroughly with soap and water. Rinse completely. If irritation persists, seek medical advice.
Eye Contact:
Rinse eyes thoroughly with plenty of water, lifting both upper and lower eyelids intermittently. Remove contact lenses, if applicable, and continue rinsing for at least 15 minutes. Seek medical help if irritation occurs. Avoid using strong water jets, as they may cause corneal damage—consult a doctor.

Ingestion:
Do not induce vomiting. Contact medical assistance immediately. Drink plenty of water and get fresh air. Consult a doctor immediately and present the product label or Safety Data Sheet.

4.2 Important Symptoms and Effects (Acute and Delayed)
No additional relevant information available.

4.3 Need for Immediate Medical Attention and Special Treatment
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: CO2, powder or water spray.
For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture
Carbon monoxide (CO)
Carbon dioxide (CO2)

5.3 Advice for firefighters
Protective equipment:
Mouth respiratory protective device.
Wear fully protective suit.
Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures:
Use appropriate protective gear. Keep those without protection at a safe distance.
Avoid skin and eye contact.
Prevent inhalation of vapors.
Wear protective clothing and ensure sources of ignition are kept away.

6.1.1 For Non-Emergency Personnel:
Avoid contact with any leaking or spilled material.

6.1.2 For Emergency Responders:
First aid responders should be equipped with protective clothing, gloves, goggles, and respirators.

6.2 Environmental Precautions:
Prevent the product from entering drains, surface water, or groundwater systems.

6.3 Methods and Materials for Containment and Cleanup:
Use absorbent materials such as sand or diatomite to collect the spill.

6.4 Reference to Other Sections:
For details on safe handling, refer to Section 7.
For information on personal protective equipment, see Section 8.
For disposal instructions, refer to Section 13.

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SECTION 7: Handling and storage

7.1 Safe Handling Precautions

Ensure proper ventilation or exhaust at the workplace.
Avoid direct contact with skin and eyes.
Do not eat, drink, or smoke while handling this product.
Wash hands thoroughly after use.
Contaminated clothing should be cleaned before reuse.

Fire and Explosion Protection:

Keep ignition sources at a distance – no smoking.
Prevent the build-up of electrostatic charges.

7.2 Safe Storage Conditions and Incompatibilities

Storage: Store in tightly sealed containers in a well-ventilated area. Keep the storage area cool.

Storage Room and Container Requirements:

Maintain a cool storage environment.

Storage Compatibility:

Store away from oxidizing agents.

Additional Storage Information:

Ensure containers are tightly closed.
Protect from heat and direct sunlight.

7.3 Specific End Uses

No additional relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 1317-65-3 limestone

WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *inhalable dust; **respirable

CAS: 28553-12-0 diisononyl phthalate

WEL (Great Britain)	Long-term value: 5 mg/m³

CAS: 13463-67-7 titanium dioxide

WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable

CAS: 26471-62-5 m-tolylidene diisocyanate

WEL (Great Britain)	Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO

DNELs

(EC: 905-562-9) Reaction mass of ethylbenzene, m-xylene and p-xylene
Workers:
Long-term systemic effect, by inhalation: 221 mg/m³
Long-term local effect, by inhalation: 221 mg/m³
Short-term local effect, inhalation: 442 mg/m³
Long-term systemic effect, dermal: 212 mg/kg bw/d
Consumers:
Long-term systemic effect, inhalation: 65.3 mg/m³
Short-term systemic effect, inhalation: 260 mg/m³
Long-term local effect, inhalation: 65.3 mg/m³
Short-term local effect, inhalation: 260 mg/m³
Long-term systemic effect, dermal: 125 mg/kg bw/d
Long-term systemic effect, oral: 12.5 mg/kg bw/d
(CAS: 13463-67-7) Titanium dioxide
Employees:
Inhalation - Local effects, Long-term exposure: 1.25 mg/m³
Consumers:
Inhalation - Local effects, Long-term exposure: 210 µg/m³

PNECs

(EC: 905-562-9) reaction mass of ethylbenzene and m-xylene and p-xylene
Fresh water: 0.044 mg/l
Fresh water (intermittent releases): 0.01 mg/l
Marine water: 0.004 mg/l
STP: 1.6 mg/l
Freshwater sediment: 2.52 mg/kg of sediment dw
Marine water sediment: 0.252 mg/kg sediment dw
Soil: 0.852 mg/kg

8.2 Exposure controls

8.2.1. Appropriate engineering controls Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General Protective and Hygiene Measures:
Keep the product away from food, beverages, and animal feed.
Wash hands before taking breaks and after completing work.
Avoid eye and skin contact.
Refrain from eating, drinking, or smoking while using the product.
Remove contaminated clothing and wash thoroughly before reusing.
Do not inhale vapors or mists.

Respiratory Protection:

If ventilation is inadequate, use an appropriate respiratory protective device. In poorly ventilated areas or when spraying, an air-fed mask is recommended. For shorter periods, a combination of a charcoal filter and a particulate filter (A2-P2, EN529) is advised.

Hand Protection:

Wear chemical-resistant gloves that comply with standard EN 374-1. Gloves must be impermeable and resistant to the product or substances being handled. Consider glove material based on penetration times, diffusion rates, and degradation.

Material for Gloves:
For handling at room temperature:

- Butyl rubber (IIR) with a thickness of ≥0.5mm and a breakthrough time of ≥480 minutes.
- Fluorinated rubber (FKM) with a thickness of ≥0.4mm and a breakthrough time of ≥480 minutes.

Contaminated gloves should be disposed of properly. Glove selection depends not only on the material but also on other quality factors, which may vary by manufacturer. Since this product is a mixture, glove resistance should be verified before use. The recommended glove penetration time is ≥480 minutes, but in practice, gloves should be worn for a maximum of 50% of that time.

Eye/Face Protection:

Wear safety glasses with side shields (e.g., EN 166).

Body Protection:


Wear chemically resistant protective clothing (EN 14605) and protective boots.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	**Viscous liquid**
Colour:	**Various colours**
Odour:	**Characteristic**
Odour threshold:	**Not determined**
Melting point/freezing point:	**Not determined**
Boiling point or initial boiling point and boiling range	**130-150 °C (Reaction mass of ethylbenzene and mxylene and p-xylene)**
Flammability	**Not applicable**
Lower and upper explosion limit **Lower:** **Upper:**	 **Not determined** **Not determined**
Flash point:	**31 °C (Pensky-Martens)**
Auto-ignition temperature:	**488 °C (xylene, Reaction mass of ethylbenzene and mxylene and p-xylene)**
Decomposition temperature:	**Not determined**
Viscosity: **Kinematic viscosity at 23 °C** **Dynamic at 20 °C:**	 **54 s (ISO 2431/Flow time tISO)** **>90 mPas**
Solubility **water:**	 **Not miscible**

Partition coefficient n-octanol/water (log value)	**Not determined**
Vapour pressure:	**Not determined**
Density and/or relative density **Density at 20 °C:** **Relative density** **Vapour density**	**1.35 g/cm³** **Not determined** **Not determined**
9.2 Other information	
Appearance: **Form:**	**Viscous liquid**
Important information on protection of health and environment, and on safety	
Ignition temperature:	**Product is not selfigniting.**
Explosive properties:	**Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.**
Solvent separation test:	**<1 % (UN Part III, par. 32.5.1)**
Solvent content:	
VOC (EC)	**249 g/l**
Drip point:	
Oxidising properties	**Not classified as an oxidizer according to CLP Regulation 1272/2008/EC.**
Evaporation rate	**Not determined**

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Information with regard to physical hazard classes

Explosives	**Void**
Flammable gases	**Void**
Aerosols	**Void**
Oxidising gases	**Void**
Gases under pressure	**Void**
Flammable liquids	**Flammable liquid and vapour.**
Flammable solids	**Void**
Self-reactive substances and mixtures	**Void**
Pyrophoric liquids	**Void**
Pyrophoric solids	**Void**
Self-heating substances and mixtures	**Void**
Substances and mixtures, which emit flammable gases in contact with water	**Void**
Oxidising liquids	**Void**
Oxidising solids	**Void**
Organic peroxides	**Void**
Corrosive to metals	**Void**
Desensitised explosives	**Void**

SECTION 10: Stability and reactivity

10.1 Reactivity

No additional relevant information available.

10.2 Chemical Stability

The product is stable under normal environmental temperatures.

Thermal decomposition/conditions to be avoided: none under recommended conditions.

10.3 Possibility of Hazardous Reactions

No known hazardous reactions.

10.4 Conditions to Avoid

Avoid exposure to heat, sparks, open flames, or any other ignition sources.

10.5 Incompatible Materials

Keep away from oxidizing agents.

10.6 Hazardous Decomposition Products

Potential decomposition products include carbon dioxide (CO_2) and carbon monoxide (CO).

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification: ATE (Acute Toxicity Estimates)

Inhalative	**LC50/4 h (vapour)**	**107 mg/l**

Reaction mass of ethylbenzene and m-xylene and p-xylene

Oral	**LD50**	**>3,523 mg/kg (rat)**
Dermal	**LD50**	**>12,126 mg/kg (rabbit)**
Inhalative	**LC50/4 h (vapour)**	**>27 mg/l (rat)**

CAS: 13463-67-7 titanium dioxide

Dermal	**LD50**	**>5,000 mg/kg (rat)**
Inhalative	**LC50/4 h (vapour)**	**>6.82 mg/l (rat)**

CAS: 26471-62-5 m-tolylidene diisocyanate

Oral	**LD50**	**>2,000 mg/kg (rat) (Acute Oral Toxicity)**
Dermal	**LD50**	**>2,000 mg/kg (rabbit) (Acute Dermal Toxicity)**
Inhalative	**LC50/4 h (vapour)**	**0.107 mg/l (rat)**

CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Oral	**LD50**	**567 mg/kg (ATE)**
Inhalative	**LC50/4h (dusts and mists)**	**0.16 mg/l**

Skin Corrosion/Irritation Causes irritation to the skin.
Serious Eye Damage/Irritation Causes significant irritation to the eyes.
Respiratory or Skin Sensitisation
Inhalation may trigger allergic reactions, asthma symptoms, or breathing difficulties.
May cause an allergic reaction upon skin contact.
Germ Cell Mutagenicity
Based on current data, the product does not meet the criteria for classification.
Carcinogenicity Classification criteria are not met according to available data.
Reproductive Toxicity No evidence suggests this product meets the classification criteria.
STOT (Specific Target Organ Toxicity) – Single Exposure Available data indicates no classification is required.
STOT – Repeated Exposure
Classified as STOT Repeated Exposure Category 2.
Prolonged or repeated exposure may lead to organ damage.
Aspiration Hazard
Classified as Aspiration Toxicity Category 1.
May be fatal if swallowed and enters the respiratory system.
Additional Toxicological Information: The product may cause sensitization through skin contact.
11.2 Information on Other Hazards
Endocrine Disrupting Properties:
The product does not contain substances listed under Article 59(1) of REACH for endocrine-disrupting properties, nor does it meet the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at concentrations of 0.1% or higher.
None of the ingredients are listed.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
Reaction mass of ethylbenzene and m-xylene and p-xylene

EC50 (72h)	**4.6-4.9 mg/l (algae)**
EC50 (48h)	**10.389 mg/l (Daphnia magna)**
LC50 (96h)	**>2.6 mg/l (fish)**

CAS: 13463-67-7 titanium dioxide

EC50 (72h)	**100 mg/l (algae)**
EC50 (48h)	**2.41-103.9 mg/l (Daphnia magna)**
LC50 (96h)	**1 mg/l (fish)**
NOEC(72h)	**100 mg/l (algae)**
NOEC (21d)	**5 mg/l (Daphnia magna)**
NOEC (14d)	**0.87-1.1 mg/l (fish)**

CAS: 26471-62-5 m-tolylidene diisocyanate

EC50 (72h)	**3,230 mg/l (algae)**
EC50 (48h)	**12.5 mg/l (daphnia magna)**
LC50 (96h)	**133 mg/l (fish)**

12.2 Persistence and Degradability

No additional information is available regarding persistence or degradability.

12.3 Bioaccumulative Potential

There is no further relevant information available concerning the bioaccumulative potential.

12.4 Mobility in Soil

No further details are available on the mobility of the product in soil.

12.5 PBT and vPvB Assessment Results

The product does not contain any components classified as persistent, bioaccumulative, and toxic (PBT), nor very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher, as outlined in REACH Annex XIII.

-PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine Disrupting Properties

This product does not contain any substances listed under REACH Article 59(1) for endocrine disrupting properties. It has also not been identified as having endocrine-disrupting effects, according to the criteria in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, at concentrations of 0.1% or greater.

12.7 Other Adverse Effects

Remark: The product is harmful to fish.

Additional ecological information:

The product contains substances that pose a threat to the environment. It is harmful to aquatic life.

Avoid releasing undiluted product or large amounts into groundwater, watercourses, or sewage systems.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Dispose of this product in accordance with national regulations. It must not be discarded with household waste, and care should be taken to prevent the product from entering the sewage system.

For recycling information, please contact the manufacturer.

European Waste Catalogue Classifications:

- HP3: Flammable
- HP5: Specific Target Organ Toxicity (STOT) / Aspiration Toxicity
- HP14: Ecotoxic

Uncleaned Packaging:

Recommendation:

Dispose of packaging in compliance with official regulations.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, IMDG, IATA**	**UN1866**
14.2 UN proper shipping name **ADR** **IMDG, IATA**	**1866 RESIN SOLUTION** **RESIN SOLUTION**
14.3 Transport hazard class(es) **ADR, IMDG, IATA**  **Class** **Label**	**3 Flammable liquids.** **3**
14.4 Packing group **ADR, IMDG, IATA**	**III**

14.5 Environmental hazards: **Marine pollutant:**	**No**
14.6 Special precautions for user	**Warning: Flammable liquids.**
Hazard identification number (Kemler code):	**30**
EMS Number:	**F-E, S-E**
Stowage Category	**A**
14.7 Maritime transport in bulk according to IMO instruments	**Not applicable.**
Transport/Additional information:	
ADR **Limited quantities (LQ)** **Excepted quantities (EQ)**	**5L** **Code: E1** **Maximum net quantity per inner packaging: 30 ml** **Maximum net quantity per outer packaging: 1000 ml**
Transport category	**3**
Tunnel restriction code	**D/E**
Remarks:	**• Viscous liquid par. 2.2.3.1.5., 2.2.3.1.5.2 ADR and par. 2.3.2.5 of the IMDG Code.** **• Exception for packages: ≤ 5 liters.** **- In accordance to paragraphs 2.2.3.1.5, 2.2.3.1.5.2 of ADR (road transport) and 2.3.2.5 of the IMDG Code (marine transport) for packaging ≤ 5 liters (L), are not subject to the ADR agreement and are not subject to the provisions for the marking, labelling and testing of packages (IMDG).**

IMDG **Limited quantities (LQ)** **Excepted quantities (EQ)**	**5L** **Code: E1** **Maximum net quantity per inner packaging: 30 ml** **Maximum net quantity per outer packaging: 1000 ml**
Remarks:	**• Viscous liquid par. 2.2.3.1.5., 2.2.3.1.5.2 ADR and par. 2.3.2.5 of the IMDG Code.** **• Exception for packages: ≤ 5 liters.** **- In accordance to paragraphs 2.2.3.1.5, 2.2.3.1.5.2 of ADR (road transport) and 2.3.2.5 of the IMDG Code (marine transport) for packaging ≤ 5 liters (L), are not subject to the ADR agreement and are not subject to the provisions for the marking, labelling and testing of packages (IMDG).**
UN "Model Regulation":	**UN 1866 RESIN SOLUTION, 3, III**

SECTION 15: Regulatory information

15.1 Safety, Health, and Environmental Regulations/Legislation Specific to the Substance or Mixture
This product is subject to several regulations and directives, including Directive 94/62/EC on packaging and packaging waste, REACH Regulation 1907/2006/EC, Regulation (EU) 2020/878, and CLP Regulation 1272/2008/EC.
It also complies with Directive 98/24/EC, which focuses on the protection of workers from risks related to chemical agents at work, as well as Council Directive 94/33/EC concerning the protection of young people at work, as amended. Directive 92/85/EEC, addressing the health and safety of pregnant workers, workers who have recently given birth, or those who are breastfeeding, is also relevant, as amended.
Regarding **Directive 2012/18/EU**, the substance is not listed in Annex I as a named dangerous substance. It falls under Seveso category P5c for flammable liquids, with **qualifying quantities of 5,000 tonnes for lower-tier requirements and 50,000 tonnes for upper-tier requirements.**
Under Regulation (EC) No 1907/2006, Annex XVII, the conditions of restriction apply as per entries 3, 52a, and 74. **For Directive 2011/65/EU** on the restriction of hazardous substances in electrical and electronic equipment (Annex II), none of the ingredients are listed.
Similarly, under **Regulation (EU) 2019/1148**, none of the ingredients are listed as restricted or reportable explosive precursors in Annexes I and II, respectively.
In relation to drug precursors, none of the ingredients are listed under **Regulation (EC) No 273/2004** or **Regulation (EC) No 111/2005**, which oversees the trade of drug precursors between the Community and third countries.

For **national regulations**, no other relevant regulations, limitations, or prohibitions apply. This product does not contain substances of very high concern (SVHC) as defined by **REACH Article 57**.

15.2 Chemical Safety Assessment:

A Chemical Safety Assessment has not been performed for this substance.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH204 Contains isocyanates. May produce an allergic reaction.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids	Bridging principles
Skin corrosion/irritation. Serious eye damage/ irritation. Respiratory sensitisation Skin sensitisation. Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgement

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Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its Amendment Regulation (EC) No. 1272/2008 (CLP) and EU 2020/878

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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1: Skin corrosion/irritation – Category 1
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**